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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/612,422	07/02/2003	James J. Storhoff	01-1633-A	6581
7590 10/18/2006			EXAMINER	
Emily Miao McDonnell Boehnen Hulbert & Berghoff 32nd Floor 300 S. Wacker Drive			RILEY, JEZIA	
			ART UNIT	PAPER NUMBER
			1637	
Chicago, IL 6	0606		DATE MAILED: 10/18/2006	5

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	Applicant(s)			
Office Action Summary		10/612,422	STORHOFF ET A	AL.			
		Examiner	Art Unit				
		Jezia Riley	1637				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) 🛛	Responsive to communication(s) filed on	15 August 2006.					
, <u> </u>	· · · · · · · · · · · · · · · · · · ·	This action is non-final.					
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4)🛛	4) Claim(s) 1-50 is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) 🗌	5) Claim(s) is/are allowed.						
6)⊠	6)⊠ Claim(s) <u>10-12,14,17,18,43-45,47 and 50</u> is/are rejected.						
7)🛛	Claim(s) 13 and 46 is/are objected to.	•					
8) 🗌	Claim(s) 1-50 are subject to restriction and	d/or election requirement.					
Application Papers							
9) 🗌	The specification is objected to by the Exa	miner.					
	The drawing(s) filed on <u>02 July 2003</u> is/are		cted to by the Examiner.				
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
,	1. Certified copies of the priority docur	ments have been received.					
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
	application from the International Bu	ureau (PCT Rule 17.2(a)).		_			
* See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 4) Interview Summary (PTO-413) Paper No(s)/Mail Date							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date Place Statement(s) (PTO/SB/08) Paper No(s)/Mail Date Place Statement(s) (PTO/SB/08) Other:							

Application/Control Number: 10/612,422

Art Unit: 1637

## **DETAILED ACTION**

Applicant's election with traverse of Group II and species, in the reply filed on 5/29/06 and 8/15/06 is acknowledged. The traversal is on the ground(s) that there is no serious burden to the examiner. This is not found persuasive because the intermediate product is deemed to be useful as a conjugate for other type of surfaces (such as glass or plastic...) or compounds and the inventions are deemed patentably distinct because there is nothing on this record to show them to be obvious variants. And the nanoparticles of Group II comprises a plurality of polymers.

Claims 10-14, 17-18, 43-47 and 50 read on the elected species.

The requirement is still deemed proper and is therefore made FINAL.

## Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 10-12, 14, 17, 18, 43-45, 47 and 50 are rejected under 35 U.S.C. 102(e) as being anticipated by Park et al. (US 2003/0207296).

Park et al. discloses a nanoparticle having a plurality of polyanionic polymer conjugate attached thereto. Wherein said polyanionic polymer conjugates is disclosed

Art Unit: 1637

in page 61. Page 61 shows a structure comprising a phosphate linked to sequence of nucleic acids which is viewed to be inclusive of Z, said sequence is attached to another phosphate group which is linked to a moiety (-SH) viewed as L, which is capable of attaching to a nanoparticle. The structure shows a label attached to the end position and an OH group, which is viewed as the Q. Figures 13 A, B, for example show a plurality of polymers attached to a nanoparticle. The reference discloses kits for detecting nucleic acids (pages 5-7).

Claims 13, 46 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jezia Riley whose telephone number is 571-272-0786. The examiner can normally be reached on 9:30AM - 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Benzion can be reached on 571-272-0782. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Application/Control Number: 10/612,422

Art Unit: 1637

Page 4

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

15 October 2006

JEZIA RILEY PRIMARY EXAMINER